

REMARKS

Claims 1-8 and 10 remain in the application with claims 1, 5, and 10 having been amended hereby and claim 9 having been canceled, without prejudice or disclaimer.

The cancellation of claim 9 renders moot the rejection thereof under 35 USC 101.

Reconsideration is respectfully requested of the rejection of claims 1-3, 5-7, 9, and 10 under 35 USC 102(e), as being anticipated by Cabrera et al.

The present invention is intended to provide a so-called snapshot backup system in which the operational parameters and the like of various devices and components in a system can be backed up without requiring a large amount of storage space. Typically, such systems can be made up of a number of devices or components that might be applications or actual elements in a device. A dependency relationship between the components of the system that is being backed up is recorded in a status-storing database by the individual components themselves. Thereafter, a request for execution of a snapshot output to a target component, such as an application or device driver, is sent from a checkpoint manager in an order or sequence based on the dependency relationship previously stored in the status-storing database. The actual backup information is stored in a nonvolatile memory forming a recording medium, such as a removable solid-state memory, and the snapshot file to be recorded in the recording medium by the driver is recorded in accordance with the dependency relationship, that

is, the sequence, recorded in the status-storing database.

The claims have been amended hereby to emphasize the above-noted features of the present invention.

Cabrera et al. also relates to a snapshot-type backup system and it describes the use of a so-called volume snapshot service coordinator. Cabrera et al. provides an application programming interface that acts as a coordinator of different volume snapshot providers and an administrator of the snapshot providers. Cabrera et al. discloses that the application programming interface is used to coordinate and administer multiple snapshot providers, as well as to maintain other snapshot information. The management of the multiple and different snapshot providers is achieved while handling the administrative tasks relative to registering and unregistering different types of snapshot providers.

Therefore, it is seen that Cabrera et al. relates to a system having a number of snapshot providers and a system to, in fact, control such overall network. The volume snapshot service coordinator has information regarding which snapshot service providers are assigned to which target object.

It is respectfully submitted that Cabrera et al. is completely silent concerning storing the dependency relationship among the various components in the system in a status-storing database for subsequently determining the sequence of the recording of the snapshot file in the record medium, as taught by the present invention and as recited in the amended claims.

Reconsideration is respectfully requested of the

rejection of claims 4 and 8 under 35 USC 103, as being unpatentable over Cabrera et al.

Claims 4 and 8 depend from claims 1 and 5, respectively, which claims are thought to be patentably distinct over the cited reference and, for at least those very same reasons, claims 4 and 8 are also submitted to be patentably distinct thereover.

Accordingly, by reason of the amendments made to the claims hereby, as well as the above remarks, it is respectfully submitted that a data processing apparatus for use in a system having a plurality of components wherein there is a dependency relationship among these components that are stored in a status storing database, as taught by the present invention and as recited in the amended claims, is neither shown nor suggested in the cited reference.

The references cited as of interest have been reviewed and are not seen to show or suggest the present invention as recited in the amended claims.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

COOPER & DUNHAM LLP



Jay H. Maioli
Reg. No. 27, 213

JHM:gr